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Personal

Currently studying for a Masters degree in Theoretical Astrophysics at Nottingham University. Prior to my studies, I was a self-taught hobbyist programmer interested in both the theoretical aspects of computer science and the real-world applications of software. I developed interests in functional programming and my approach to programming is heavily influenced by the style of small, self-contained and well-understood functions composed to build complex and useful software. I have various public code repositories available from my homepage above.

During my time in university, I have received praise for my programming work. Such work includes: building accurate n -body simulation tools to analyse complex behaviour arising from simple initial configurations, and developing algorithms to detect galaxy clusters in the *Dark Energy Survey*. My MSci research project involves developing software that I will use to investigate the question of whether Pacific weather systems (namely ENSO) have a measurable effect on European/African cloud coverage, vegetation coverage, and more. Such work is important because it could provide forewarning to regions most likely to be affected by, for example, drought resulting from decreased cloud cover.

Education

MSci. Theoretical Astrophysics, University of Nottingham, 2014—.

References

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